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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C12Q 1/68, G01N 25/20, 1/18, 31/16, 24/00, C07H 21/02, 21/04		A1	(11) International Publication Number: WO 00/37686 (43) International Publication Date: 29 June 2000 (29.06.00)
(21) International Application Number: PCT/US99/30751 (22) International Filing Date: 23 December 1999 (23.12.99) (30) Priority Data: 60/113,731 23 December 1998 (23.12.98) US 60/119,909 12 February 1999 (12.02.99) US (63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Applications US 60/113,731 (CIP) Filed on 23 December 1998 (23.12.98) US 60/119,909 (CIP) Filed on 12 February 1999 (12.02.99) (71) Applicant (for all designated States except US): RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY [US/US]; ASB, Annex 11, 58 Bevier Road, Piscataway, NJ 08854-8010 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): BRESLAUER, Kenneth, J. [US/US]; 308 N. 8th Avenue, Edison, NJ 08817 (US). GELFAND, Craig, A. [US/US]; 138 Kingsberry Drive, Somerset, NJ 08873 (US). PLUM, G., Eric [US/US]; 1974 Braemar Drive, Columbus, OH 43220 (US). (74) Agents: LICATA, Jane, Massey et al.; Law Offices of Jane Massey Licata, 66 E. Main Street, Marlton, NJ 08053 (US). (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report.			
(54) Title: METHODS AND KITS FOR SCREENING NUCLEIC ACID DUPLEX STABILITY (57) Abstract Simple methods and kits for determining the thermodynamic stability of nucleic acid duplexes and single polynucleotide polymorphisms via competitive equilibria are provided.			